

DARPA Tech 2004





BRIDGING DARPA THE GAP

New Initiative Process

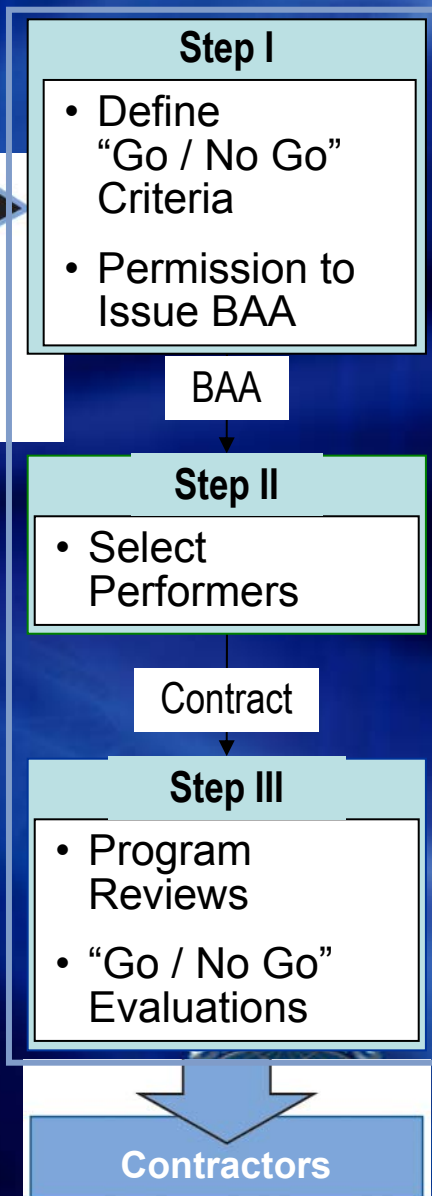
DARPA Director/PM

Program Manager

Office Director

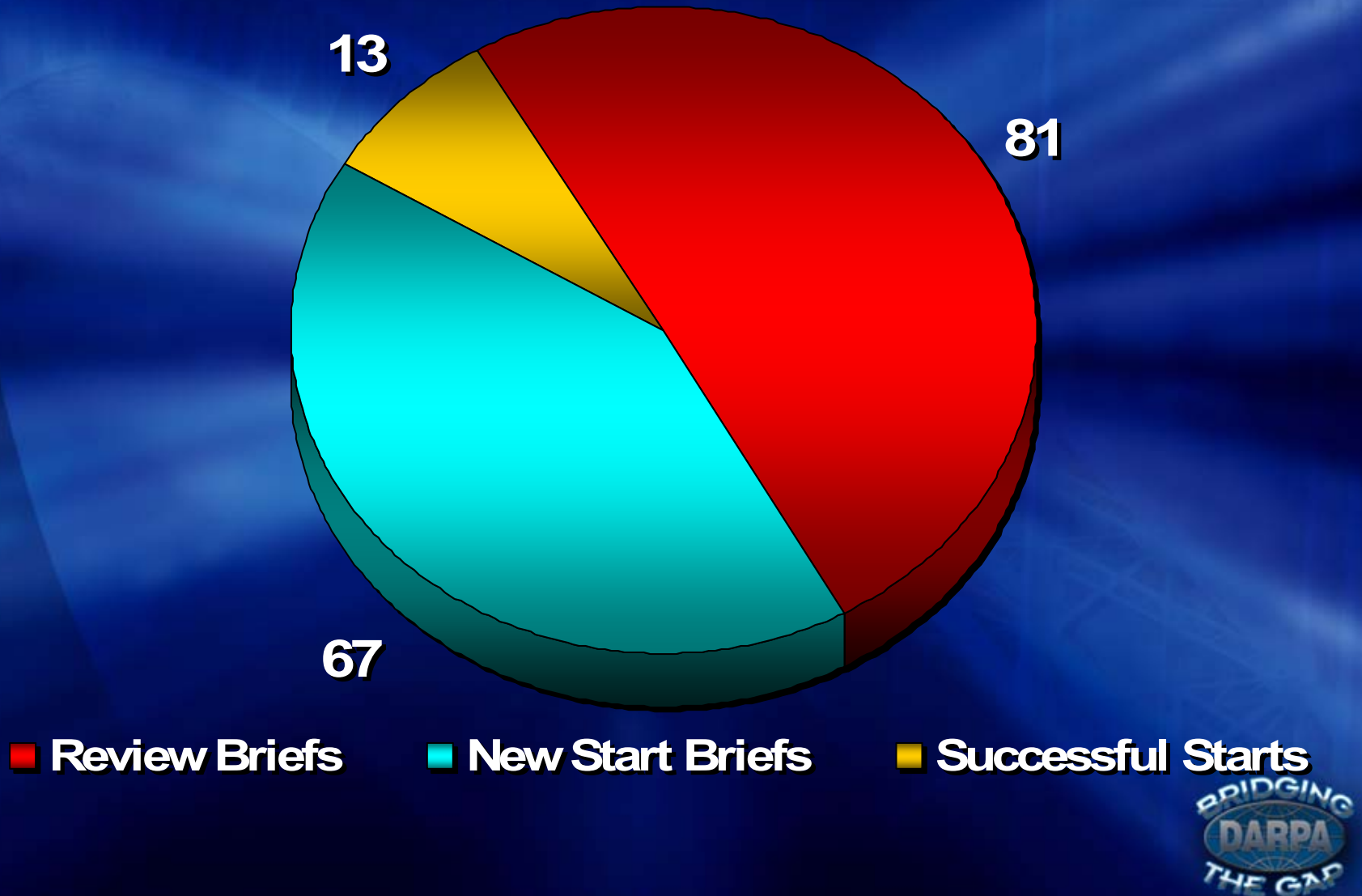


Initial Study



DARPA New Program Statistics

FY 2004



FY04 Open BAA's

- BAA04-01 – Microantenna Arrays: Technology and Applications (MIATA)
- BAA04-02 – Imaging Coherent Optical Radar (ICHOR)
- BAA04-03 – Optical & RF Combined Link Experiment (ORCLE)
- BAA04-04 – Innovative Tactical Technology
- BAA04-05 – Heterogeneous Urban RSTA (Reconnaissance Surveillance And Target Acquisition) Team



FY04 Open BAA's (cont'd)

- BAA04-06 – RF Guided Munitions
- BAA04-07 – Terahertz Imaging Focal Plane Array Technology (TIFT)
- BAA04-10 – MEMS Exchange (MX)
- BAA04-11 – Control Plane
- BAA04-12 - Defense Sciences Research and Technology
- BAA04-14 – Architectures for Cognitive Information Processing (ACIP)



Pending BAA's

- Defense Against Cyberattacks on MANETs
- 60 GHz Networking
- Ultra-fast Radar
- Precision Mortar Systems
- B-FAB
- Real-time Adversarial Intelligence and Cooperative Decision-making (RAID)



Pending BAA's (cont'd)

- Advanced Power Electronics
(RIPE) Submillimeter Wave Imaging
Focal-plane Arrays (SWIFT)
- Silicon Nanophotonics
- Quantum Computing
- TACTIC-DT and TACTIC DM





Director, Dr. Art Morrish

Deputy Director, Dr. Gary Graham

Develop highly coordinated unmanned vehicles operating as part of a Man-Machine Team, High-efficiency Propulsion and Payload Systems for specialized UAV's, and provide our troops Unrestricted Operational Capability in the Complexity of the Urban Battlespace.





Director, Dr. Amy E. Alving

Deputy Director, Dr. Joe Guerici

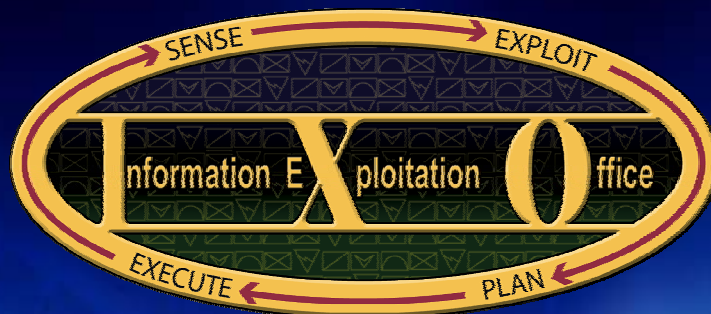
Create Systems solutions that defeat Chemical, Biological, and Radiological Weapons and Underground Facilities, provide Assured GPS, create “Tailored” Tactical Surveillance, and Confront emerging Challenges of operating in Urban Environments.





Develop Microsatellites and Low Cost Access to Space and develop Systems for Space Awareness, Space Mission Protection, Space Based Engagement, and Space Mission Denial.





Director, Dr. Theodore Bially
Deputy Directors, Steven Welby,
Dr. Robert Tenney

Develop Federated Systems of heterogeneous assets performing as an integrated Systems of Systems that lift the “Fog-of-War” and increase search effectiveness, combat identification, precision strike capability, and weapon effectiveness assessment.



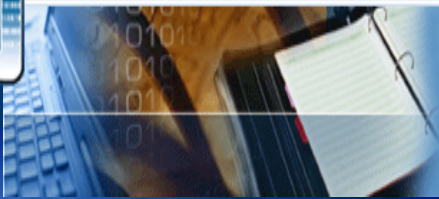


Dr. David Honey, Office Director

Dr. Larry Stotts, Deputy Director

Demonstrate Network Centric capabilities that
Transform the Nature of Warfare, enable shared
awareness and in depth command understanding,
and enable collaborative, synchronized
warfighter action.





Director, Dr. Ronald Brachman
Deputy Director, Dr. Barbara Yoon
Create computing systems that are
Cognitive Systems that overcome
Complexity and Vulnerability and that
Know What They're Doing through
'Learning from Experience'.





Director, Mr. Zachary J. Lemnios

Deputy Director, Dr. John Zolper

Deliver innovations in microelectronics, photonics, and MEMS to enable a new generation of systems that are adaptable and highly effective against dynamic signatures and rapidly changing threat environments.



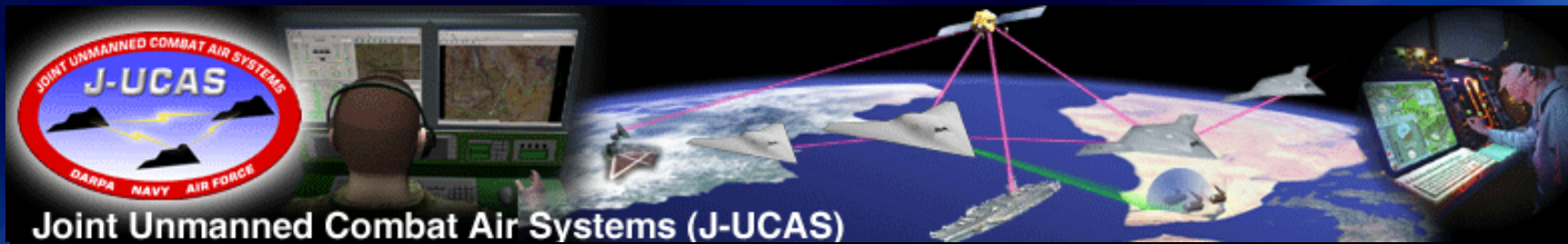


Director, Dr. Steven G. Wax

Deputy Director, Dr. Brett P. Giroir

Mine the Far Side of the Far Side to create the breakthroughs of tomorrow by emphasizing innovative, interdisciplinary ideas in biology, materials, mathematics and everything in between to enable paradigm shifts in Defense capability.





Director, Dr. Michael S. Francis

Demonstrate an integrated, networked system of high performance, weaponized UAVs to perform high risk, critical combat missions.



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